

November 15, 2006

Mr. L. William Pearce
Site Vice President
FirstEnergy Nuclear Operating Company
Perry Nuclear Power Plant
P. O. Box 97, 10 Center Road, A290
Perry, OH 44081-0097

SUBJECT: PERRY NUCLEAR POWER PLANT
NRC EMERGENCY PREPAREDNESS INSPECTION REPORT
05000440/2006016(DRS)

Dear Mr. Pearce:

On October 27, 2006, the NRC completed an inspection at your Perry Nuclear Power Plant. The enclosed report documents the inspection findings, which were discussed on October 27, 2006, with Mr. A. Cayia and other members of your staff.

The inspection examined activities conducted under your license, as they relate to safety, and compliance with the Commission's rules and regulations, and with the conditions of your license. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel. Specifically, this inspection focused on emergency preparedness, including your staff's determinations of performance indicators for the Emergency Preparedness Cornerstone.

On the basis of the results of this inspection, no findings of significance were identified.

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Sincerely,

/RA/

Kenneth Riemer, Chief
Plant Support Branch
Division of Reactor Safety

Docket No. 50-440
License No. NPF-58

Enclosure: Inspection Report 05000440/2006016(DRS)
w/Attachment: Supplemental Information

cc w/encl: G. Leidich, President and Chief Nuclear Officer - FENOC
J. Hagan, Senior Vice President of Operations and Chief
Operating Officer - FENOC
D. Pace, Senior Vice President, Fleet Engineering - FENOC
J. Rinckel, Vice President, Fleet Oversight
Director, Site Operations
Director, Regulatory Affairs
Manager, Fleet Licensing
Manager, Site Regulatory Compliance
D. Jenkins, Attorney, FirstEnergy
Public Utilities Commission of Ohio
Ohio State Liaison Officer
R. Owen, Ohio Department of Health
W. King, DHS, Region V Field Office

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U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket No: 50-440
License No: NPF-58

Report No: 05000440/2006016(DRS)

Licensee: FirstEnergy Nuclear Operating Company

Facility: Perry Nuclear Power Plant

Location: 10 Center Road
Perry, OH 44081

Dates: October 23 through October 27, 2006

Inspectors: T. Ploski, Senior Emergency Preparedness Inspector
R. Jickling, Senior Emergency Preparedness Inspector
R. Ruiz, Reactor Engineer
B. Palagi, Licensed Operator Examiner

Observer: P. Zurawski, Reactor Engineer

Approved by: K. Riemer, Chief
Plant Support Branch
Division of Reactor Safety

Enclosure

SUMMARY OF FINDINGS

IR 05000440/2006016(DRS); 10/23/2006 - 10/27/2006; Perry Nuclear Power Plant; Emergency Preparedness Specialist Report.

The report covers a 1 week baseline inspection by two regional emergency preparedness inspectors, a licensed operator examiner, and a reactor engineer. The inspection focused on the Emergency Preparedness cornerstone in the Reactor Safety strategic performance area during the biennial emergency preparedness exercise. This inspection also included a review of records related to the three emergency preparedness performance indicators for the period October 1, 2005, through September 30, 2006.

The NRC's program for overseeing the safe operation of commercial nuclear power reactors is described in NUREG-1649, "Reactor Oversight Process," Revision 3, dated July 2000.

A. Inspector-Identified and Self-Revealed Findings

None.

B. Licensee-Identified Violations

None.

REPORT DETAILS

1. REACTOR SAFETY

Cornerstone: Emergency Preparedness

1EP1 Exercise Evaluation (71114.01)

a. Inspection Scope

The inspectors reviewed the October 24, 2006, biennial emergency preparedness exercise's objectives and scenario to ensure that the exercise would acceptably test major elements of the licensee's emergency plan, and to verify that the exercise's simulated problems provided an acceptable framework to support demonstration of the licensee's capability to implement its plan. The inspectors also reviewed records of a sample of emergency preparedness drills, which were conducted in 2006, to verify that those drills' scenarios were sufficiently different from the scenario used in the October 24, 2006 exercise.

The inspectors evaluated the licensee's exercise performance, focusing on the risk-significant activities of emergency classification, notification, and protective action decision making, as well as implementation of accident mitigation strategies in the following emergency response facilities:

- Control Room Simulator (CRS);
- Technical Support Center (TSC);
- Operations Support Center (OSC); and
- Emergency Operations Facility (EOF).

The inspectors also assessed the licensee's recognition of abnormal plant conditions, transfer of responsibilities between facilities, internal communications, interfaces with offsite officials, readiness of emergency facilities and related equipment, and overall implementation of the licensee's emergency plan.

The inspectors attended post-exercise critiques in the CRS, TSC, OSC, and EOF to evaluate the licensee's initial self-assessment of its exercise performance. The inspectors later met with the licensee's lead exercise evaluators to obtain the licensee's refined assessments of its exercise participants' performances. These self-assessments were then compared with the inspectors' independent observations and assessments to assess the licensee's ability to adequately critique its exercise performance.

These activities completed one inspection sample.

b. Findings

No findings of significance were identified.

4. OTHER ACTIVITIES

4OA1 Performance Indicator (PI) Verification (71151)

Cornerstone: Emergency Preparedness

.1 Reactor Safety Strategic Area

a. Inspection Scope

The inspectors reviewed the licensee's records associated with each of the three emergency preparedness PIs to verify that the licensee's program was implemented consistent with the industry guidelines in Nuclear Energy Institute Publication No. 99-02, "Regulatory Assessment Performance Indicator Guideline," and related licensee procedures. Specifically, licensee records related to the performance of the Alert and Notification System (ANS), key Emergency Response Organization (ERO) members' drill participation, and Drill and Exercise Performance (DEP) were reviewed to verify the accuracy and completeness of the PI data submitted to NRC for the period from October 1, 2005, through September 30, 2006. The following three PIs were reviewed:

- ANS;
- ERO Drill Participation; and
- DEP.

These activities completed three PI samples.

b. Findings

No findings of significance were identified.

4OA6 Meetings

.1 Exit Meeting

An exit meeting was conducted for:

- Emergency Preparedness with Mr. A. Cayia and other members of licensee management and staff at the conclusion of the inspection on October 27, 2006. The licensee acknowledged the information presented. No proprietary information was identified.

.2 Public and Media Briefing

- On October 27, 2006, an inspector summarized NRC's preliminary exercise inspection conclusions at a public and media briefing hosted by Department of Homeland Security Region V Field Office staff in Mentor, Ohio.

ATTACHMENT: SUPPLEMENTAL INFORMATION

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Licensee

J. Beavers, Onsite Emergency Planning Specialist
N. Bonner, Oversight Manager
L. Burgwald, Onsite Emergency Planning Specialist
A. Cayia, Performance Improvement Initiative Director
K. Cimorelli, Work Management Director
V. Higaki, Fleet Emergency Preparedness Manager
H. Kelly, Emergency Preparedness Manager
C. Jenkins, Senior Emergency Preparedness Specialist
L. McGuire, Engineering Manager
L. Schlauch, Onsite Emergency Planning Specialist
S. Thomas, Radiation Protection Manager
J. Tufts, Operations Superintendent
L. Vanderhorst, Onsite Emergency Planning Specialist
M. Wayland, Maintenance Director
M. Wesley, Performance Improvement Initiative Manager

LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED

Opened, Closed, and Discussed

None.

LIST OF DOCUMENTS REVIEWED

The following is a list of documents reviewed during the inspection. Inclusion on this list does not imply that the NRC inspectors reviewed the documents in their entirety but rather that selected sections of portions of the documents were evaluated as part of the overall inspection effort. Inclusion of a document on this list does not imply NRC acceptance of the document or any part of it, unless this is stated in the body of the inspection report.

1EP1 Exercise Evaluation

Perry Nuclear Power Plant October 2006 Exercise Scenario Manual

Preliminary 2006 Biennial Exercise ERO Team "A" Critique Results

Self-Assessment Report 830 PYRC 2006; February 2006 ERO Team "C" Drill

Team "A" Drill Report for October 4, 2006

ERO Training Drill Report for October 11, 2006

ERO Training Drill Report for October 19, 2006

Emergency Action Level Technical Bases Document

EPI-A1; Emergency Action Levels; Revision 17

EPI-A2; Emergency Actions Based on Event Classification; Revision 13

EPI-A6; TSC Activation; Revision 19

EPI-A7; OSC Activation; Revision 18

EPI-A8; EOF Activation; Revision 14

EPI-B1; Emergency Notification System; Revision 18

EPI-B3; Radiological Surveys for Emergencies; Revision 12

EPI-B4; First Aid and Medical Care; Revision 12

EPI-B5; Personnel Accountability/Site Evacuation; Revision 11

EPI-B7a; Automated Offsite Dose Calculations; Revision 10

EPI-B8; Protective Actions and Guides; Revision 12

EPI-B11; Emergency Dosimetry Issue; Revision 6

EPI-B13; Determination of Core Damage under Accident Conditions; Revision 5

4OA1 Performance Indicator Verification

Perry Business Practice RC-0004; NRC Performance Indicators; Revision 2

Sample of End of Calendar Quarter ERO Drill Participation PI Records from October 2005 through September 2006

Sample of DEP Performance Indicator Records from October 2005 through September 2006

Sample of Emergency Planning Zone Sirens' Test Reports and Associated Records from October 2005 through September 2006

Standard Operating Procedure - Siren Activation; dated September 11, 2006

NRC Event Report 42656; Unusual Event Declared at Perry Plant Due to Seismic Event; dated June 20, 2006

CR 06-01658; Multiple Siren Failures during April 2006 Scheduled Test Due to Signal Interference

LIST OF ACRONYMS USED

ADAMS	Agencywide Documents Access and Management System
ANS	Alert and Notification System
CFR	Code of Federal Regulations
CR	Condition Report
CRS	Control Room Simulator
DEP	Drill and Exercise Performance
EOF	Emergency Operations Facility
EPI	Emergency Plan Instruction
ERO	Emergency Response Organization
IR	Inspection Report
NRC	United States Nuclear Regulatory Commission
NUREG	Nuclear Regulatory Guide
OSC	Operations Support Center
PARS	Publicly Available Records
PI	Performance Indicator
TSC	Technical Support Center